MULTIMEDIA UNIVERSITY

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2019/2020

DAC5614 – COMPUTER & SOFTWARE APPLICATIONS

(All Sections/Groups)

11 MARCH 2020
9.00 a.m – 11.00 a.m
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 6 pages with 2 sections.

2. Attempt **ALL** questions in Section A and Section B. The distribution of the marks for each question is given.

3. Please shade all your answers for Section A on the OMR form provided and write all answers for Section B in the Answer Booklet provided.

SECTION A: Multiple Choice Questions (25 Marks)

1. Computers represents each letter, number or symbol in a unique combination of _____ bits.
   A. 2
   B. 4
   C. 8
   D. 16

2. HDMI is a port that can use to connect_____.
   A. projector
   B. Wi-Fi connection
   C. Ethernet cable
   D. external hard drive

3. The _____ describes the proportional relationship between an image's width and height which is expressed as two numbers separated by a colon, as in 16:9.
   A. pixel
   B. monitor size
   C. aspect ratio
   D. screen resolution

4. Mobile phone camera is an example of _____ devices.
   A. storage
   B. process
   C. output
   D. input

5. A(n) _____ allows a user to interact with content and different types of media on the web.
   A. operating system
   B. browser
   C. utility program
   D. host

6. LinkedIn is _____.
   A. a popular social media site for professional networking
   B. the largest and most popular video-based social media website
   C. a social media platform where users post information about travel, fashion, food, art and similar subjects
   D. a cross-platform instant messaging client for smartphones, PCs and tablets

Continued ...

7. Personal video journal entries posted on the web are referred to as _____.
   A. vlogs
   B. blogs
   C. podcasts
   D. wiki

8. When you sell your pre-loved item on *carousell.com*, you are using which type of e-commerce?
   A. B2B
   B. B2C
   C. C2C
   D. C2B

9. The most suitable software to produce a budget report is _____ software.
   A. spreadsheet
   B. word processing
   C. presentation
   D. database

10. Observe the following snapshort of a database table. *Stud_ID*, *Stud_Name* and *Stud_CGPA* are referred to as _____.

Stud_ID	Stud_Name	Stud_CGPA
1001101	Ali Hassan	3.25
1002331	Malcom Tan Seng Hock	3.72
1002936	Roshan A/L Kumaran	3.15

   A. data
   B. record
   C. table
   D. field

11. A Personal Information Manager (PIM) software may have the following features **EXCEPT** _____.
   A. Emails
   B. Calendars
   C. Alerts and reminders
   D. Programming environment

12. _____ software helps to better address industry specific processes and functionalities.
   A. Project management
   B. Vertical market
   C. App creation
   D. Spreadsheet

Continued ...

13. All of the following are examples of mobile Operating Systems (OS) **EXCEPT** _____.
    A. Android
    B. iOS
    C. Windows
    D. Chrome

14. The _____ is the top-level directory of a file system.
    A. root directory
    B. file
    C. folder
    D. library

15. When specifying the path or location of a file, Windows uses the _____ symbol.
    A. asterisk (*)
    B. backslash (\).
    C. ampersand (&)
    D. colon (:)

16. _____ is intended for visually impaired people to use when running Microsoft Windows which temporarily enlarge a portion of the screen.
    A. Narrator
    B. Magnifier
    C. Virtual keyboard
    D. High contrast themes

17. Ali is a senior manager in a company based in Malaysia. He is required to travel to the office in Europe every two months for project discussion, presentations and manage his project. Which of the following is the **BEST** device for Ali?
    A. Ultrabook
    B. Smartphone
    C. Desktop
    D. Tablet

18. All of the following are permanent storage options **EXCEPT** _____.
    A. Solid State Drive
    B. Flash Drive
    C. ROM
    D. RAM

19. A CPU clock speed is measured in _____.
    A. seconds
    B. hertz
    C. bits
    D. bytes

Continued ...

20. Multimedia University (MMU) logo would be considered a _____.
    A. patent
    B. trade dress
    C. trademark
    D. copyright

21. Which of the following is an uncompressed version of the image file?
    A. GIF
    B. JPEG
    C. PNG
    D. RAW

22. Digital music can be stored in all of the following mediums **EXCEPT** _____.
    A. cassette tape
    B. compact disc (CD)
    C. cloud storage
    D. USB flash drives

23. Which of the following is **NOT** a computer virus category?
    A. Macro
    B. Boot sector
    C. Spooler
    D. Worms

24. Quarantine is a function of an antivirus software that _____.
    A. updates the antivirus software to the latest version
    B. automatically isolates infected files on a computer's hard disk
    C. cleans the infected file
    D. deletes the infected file

25. When a criminal activity is committed via the use of computers, it is known generally as _____.
    A. scareware
    B. backdoor activities
    C. cookies
    D. cybercrime

(Total: 25 marks)

Continued ...

SECTION B: Structured Questions (75 Marks)

QUESTION 1

(a) You and your colleague are required to submit a report and present the content to your superior on next week. However, your friend is not able to meet you face to face as he/she has to work in Singapore's office this week.

(i) Suggests and explain **THREE (3)** online communication tools that you can use in order for you to complete the report with your colleague. (6 marks)

(ii) You and your colleague have done the report and presentation slides and currently stored in your hard drive; you want to backup these files in different types of storage. List **TWO (2)** types of storage that you may use to back up the files. Give **ONE (1)** example for each type of storage. (4 marks)

(b) What is the difference between **Sleep** mode and **Hibernate** mode in a computer? (3 marks)

(c) Briefly explain how Internet's client/server model works. (6 marks)

(d) What are the guidelines to ensure your online shopping experience is safe? Give any **THREE (3)** guidelines. (6 marks)

(Total: 25 marks)

QUESTION 2

(a) What are the **THREE (3)** types of software distribution method that allow you to obtain the software before you use it? (6 marks)

(b) Briefly explain the following specialised software that used in businesses. (3 marks)
(i) Web authoring software
(ii) Accounting software
(iii) Project management software

(c) Briefly explain **TWO (2)** common types of user interfaces used in a computer. (4 marks)

(d) What is utility program? List and explain **FIVE (5)** utility programs that bundled with operating systems. (12 marks)

(Total: 25 marks)

Continued ...

QUESTION 3

(a) What are the **FOUR (4)** features that determine the CPU's performance? (4 marks)

(b) Define the following terms: (3 marks)
(i) Hoax
(ii) Plagiarism
(iii) Digital manipulation

(c) List **FOUR (4)** tips to keep your mobile device secure. (4 marks)

(d) What is scareware? (4 marks)

(e) If you received an email from the bank of your saving account which request you to verify your online banking account, what should you do to avoid the phishing scheme? Provide **FIVE (5)** guidelines. (10 marks)

(Total: 25 marks)

End of Paper